BCA PAPER-VI

2005

Group A

2. a) Write a VB procedure that calculates the function factorial of a no. passed as an argument. Design a VB form such that it accept no. from the user through a text box and display the factorial no. of the range, between 1 and given no. in a list box.

b) Design a VB Procedure that accepts 10 different integer no. using input box function. Display all the inputted no. in a list box and also find the maximum, minimum and sum of their square provides a command button to use the result and another to exit the application as per the wish of the user.

3. Write notes any four:-

a) List box V/S Combo box b) Project Explorer

c) Implicit V/S Explicit variable declaration d) MDI e) OLE

4. a) Why is VB called an event driven programming language? Explain any 6 events used in VB.

b) What is procedure? How many types of procedure?

5. a) Write a VB procedure that takes integer value as an argument and return the no. with its digit reversed. Design a VB form to get a no. through a text box and use this procedure reverse the given no. and display it in a label control. A message should also be displayed using message box if the given no. is palindrome.

b) Write a VB procedure that generates 100 terms of the following series:-

0, 7, 26, ……………………………

6. Create a form that accepts user and password form user and checks it with the help of Activex DLL. If the user name is "BCA STUDENT" and password is "BCA-567" only then user is shown the WELCOME message otherwise ERROR message is shown to user and asked to fill user name and password again.

Group-B

7. Write a program in Java to find out whether a given string is palindrome or not.

8. Explain some salient features of Java. Differentiate between swing and AWT components.

9. Write short notes any four:-

a) super b) Exception c) interface

d) primitive Datatypes e) Wrapper class

10. a) What is multithreading? Write a program using methods which illustrates multithreading.

b) Write a Java program that can sort the given array elements in dictionary order.

String name[]= {Jitendra, Manoj, Ankur, Radha, Upendra}

11. Design a class to represent a bank account including the following numbers:

Data members:

* Name of Depositor

* Account No.

* Type of Account

* Balance Amount in the Account

Methods:

* To assign initial value

* To deposit an amount

* To withdraw an amount after checking balance.

* To display the name and balance